

Title (en)

Microelectronic device for electrochemical detection

Title (de)

Mikroelektronische Anordnung zur elektrochemischen Detektion

Title (fr)

Dispositif micro-eléctronique pour détection électrochimique

Publication

**EP 1193315 A1 20020403 (EN)**

Application

**EP 01130632 A 19960624**

Priority

- EP 96922533 A 19960624
- US 49581795 A 19950627
- US 1626596 P 19960419
- US 66733896 A 19960620

Abstract (en)

A microelectronic device for electrochemical detection. The microelectronic device is suitable for detecting a member of a binding part, in particular a nucleic acid. The microelectronic device comprises a microelectronic substrate, a conductive electrode arranged on the substrate and a first member of a specific binding part immobilized on the substrate adjacent the conductive electrode. The conductive electrode may be a conductive oxidation-reduction detection electrode.

IPC 1-7

**C12Q 1/68; C07H 21/00**

IPC 8 full level

**G01N 33/53** (2006.01); **C07H 21/00** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **G01N 27/416** (2006.01); **G01N 27/48** (2006.01); **G01N 33/532** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP)

**B82Y 15/00** (2013.01); **B82Y 30/00** (2013.01); **C12Q 1/6816** (2013.01); **C12Q 1/6825** (2013.01)

Citation (search report)

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**WO 9701646 A2 19970116; WO 9701646 A3 19970227**; AT E223498 T1 20020915; AU 6337696 A 19970130; AU 724600 B2 20000928; CA 2225935 A1 19970116; CN 1192249 A 19980902; DE 69623494 D1 20021010; DE 69623494 T2 20030417; DK 0871773 T3 20021209; EP 0871773 A2 19981021; EP 0871773 B1 20020904; EP 1193315 A1 20020403; HK 1047453 A1 20030916; JP 2000501601 A 20000215; MX 9800050 A 19980830; NO 20045309 L 19980224; NO 976057 D0 19971223; NO 976057 L 19980224; NZ 311955 A 19990429

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